| Ref<br># | Hits | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|---|---------------------|---------|------------------|
| L1       | 1880 | 372/34,36.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR                  | ON      | 2006/02/03 07:42 |
| L2       | 2347 | 372/34,36.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO                  | OR                  | ON      | 2006/02/03 07:42 |
| L3       | 219  | L2 and (submount)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO                  | OR                  | ON      | 2006/02/03 07:42 |
| L5       | 18   | 372/50.12.ccls. and<br>@pd>"20050727"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO                  | OR                  | ON      | 2006/02/03 08:19 |
| S1       | 1052 | 372/36.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO                  | OR                  | ON      | 2006/02/03 07:42 |
| S49      | 2    | ("20040008744").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/02/02 11:12 |
| S50      | 27   | ("3622906"   "3760175"   "3783353"   "3899826"   "3994430"   "4549784"   "4734714"   "4942405"   "5157235"   "5231263"   "5260542"   "5309273"   "5394413"   "5402436"   "5432878"   "5463649"   "5495494"   "5570387"   "5587094"   "5605641"   "5640188"   "5646674"   "5724458"   "5793405"   "5796771"   "5923692"   "5982802").PN. OR ("6057871").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR                  | ON      | 2006/02/02 11:57 |
| S51      | 0    | ("2003/0174753").URPN.   | USPAT   | OR                  | ON      | 2006/02/02 12:32 |
| S52      | 2    | ("6721342").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/02/02 12:36 |
| S53      | 8    | (("5515391") or ("5805630") or ("6136623") or ("6553044")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/02/02 13:51 |

| S54 | 4   | ("2002009172").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/02 13:51 |
|-----|-----|--|---|----|-----|------------------|
| S55 | 2   | ("20020090172").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/02 13:56 |
| S56 | 109 | "372".clas. and (array same submount)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/02/02 14:40 |
| S57 | 30  | "372".clas. and ((gan or "gallium<br>nitride") and heat and submount<br>and solder)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/02/02 15:50 |
| S58 | 10  | ("5383029"   "5432808"   "5786606"<br>  "6278173"   "6376866"  <br>"6420197"   "6452214"   "6455342"<br>  "6469320"   "6482666").PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/02/02 14:49 |
| S59 | 53  | "372".clas. and ((gan or "gallium<br>nitride") and submount)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/02/02 15:51 |
| S60 | 23  | S59 not S57  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/02/02 16:03 |
| S61 | 9   | 372/5.ccls. and (mount or submount)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/02/02 16:08 |
| S62 | 3   | 372/5.ccls. and gan  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/02/02 16:08 |
| S63 | 48  | 372/34,36.ccls. and gan  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/02/02 16:15 |

| S64 | 2  | ("6,479,325").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/02/02 16:15 |
|-----|----|---|---|----|-----|------------------|
| S65 | 12 | ("3961996"   "5636234"   "5638391"<br>  "5729561"   "6172382"  <br>"6185238"   "6195375"   "6301278"<br>  "6303405").PN. OR ("6479325").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/02/02 16:31 |
| S66 | 5  | ("5798536"   "6023076"   "6404792"<br>  "6680490"   "6761303").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/02/03 07:41 |

JM.

| Ref<br># | Hits | Search Query   | DBs                                  | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|--------------------------------------|---------------------|---------|------------------|
| L6       | 2    | ((heat or thermal) and copper and submount and (thermal near2 expansion) and nitride and fiber and (optics or lens) and solder).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO | OR                  | ON      | 2006/02/03 08:22 |